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### NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

04/08/2004

LSI Logic Corporation 1551 McCarthy Boulevard Milpitas, CA 95035 EXAMINER LEE, CALVIN

ART UNIT PAPER NUMBER

2825

DATE MAILED: 04/08/2004

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/646.570	08/22/2003	David T. Price	03-0345/LSHP224	9743

TITLE OF INVENTION: MICROCHANNEL FORMATION FOR FUSES, INTERCONNECTS, CAPACITORS, AND INDUCTORS

APPLN. TYPE,	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	07/08/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
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If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
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- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

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APPLICATION NO. FILING DATE FIRST NAMED INVESTOR ATTORY DOCKSET NO. CONFIRMATION NO. 10/646,570 08/22/2003 David T. Price 03-0345/LSI1P224 9743  TITLE OF INVENTION: MICROCHANNEL FORMATION FOR FUSES, INTERCONNECTS, CAPACITORS, AND INDUCTORS  APPLN-TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FER(S) DUE DATE DUE nonprovisional NO \$1330 SO \$1330 07/08/2004  EXAMINER ART UNIT CLASS-SUBCLASS  LEE, CALVIN 2825 438-215000  L. Change of correspondence address or indication of "Fee Address" (37) Change of correspondence address or indication of "Fee Address" (37) agents of correspondence address or indication of "Fee Address" (37) Change of correspondence address or indication form PLOSDI4T), Key 103-92 or more recenf) attached. Use of a Customer Number is registered attached. Use of a Customer Number is registered attached. Use of a Customer Will be printed.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignme is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignment been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Please check the appropriate assignee category or categories (will not be primed on the patent):   individual   ocrporation or other private group entity   government of the fee(s) are received by the fee(s), or credit any overpayment, or hardward of the fee of the path of the pat				or <u>Fax</u>	(703) 746-4000	,	
CURRENT CORRESPONDENCE ADDRESS (Price Legibly mark-up with way corrections are set block 1)  PORC A Confidence of mailing or consequence of or any other accompany papers. Each additional paper, such as an assignment of rormal drawning, may have to the own certificate of mailing or transmission.  Certificate of mailing can only be used for domestic mailings of the carcompany papers. Each additional paper, such as an assignment of rormal drawning, may have to the own certificate of mailing or transmission.  Certificate of mailing can only be used for domestic mailings of mailing or transmission.  Certificate of mailing can only be used for domestic mailings of mailing can only be used for any other accompany papers. Each additional paper, such as an assignment of rormal drawning, may have to the mail step deposited with the Unit standard of the Mail Stop ISSUE FEE address above, or being ficesim resumble to the USPTO, on the date indicated below.  (Deposition on the Mail Stop ISSUE FEE address above, or being ficesim resumble to the USPTO, on the date indicated below.  (Deposition on the Mail Stop ISSUE FEE address above, or being ficesim resumble addressed to the Mail Stop ISSUE FEE address above, or being ficesim resumble to the USPTO, on the date indicated below.  (Deposition on the Mail Stop ISSUE FEE address above, or being ficesim resumble required to the USPTO, on the date indicated below.  (Deposition on the Mail Stop ISSUE FEE address above, or being ficesim resumble required and resumb	INSTRUCTIONS: This for appropriate. All further con indicated unless corrected a maintenance fee notification	rm should be used for tran respondence including the l pelow or directed otherwise is.	smitting the ISSU Patent, advance ord in Block 1, by (a)	E FEE and PUBLIC ders and notification specifying a new c	OATION FEE (if required of maintenance fees or orrespondence address	nired). Blocks I through 4 s will be mailed to the current ; and/or (b) indicating a sepa	hould be completed where correspondence address as arate "FEE ADDRESS" for
Larety certify that this Fee(s) Transmittal is being deposited with the Unit States Postal Service with sufficiency of the content of the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO, on the date indicated below.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or is being submitted under space.   Coponativa transmitted to the USPTO or i	CURRENT CORRESPONDENC	E ADDRESS (Note: Legibly mark-up	with any corrections or	use Block 1)	papers. Each addition	nis certificate cannot be used al paper, such as an assignm	or domestic mailings of the for any other accompanying ent or formal drawing, must
APPLICATION NO. FILING DATE FIRST NAMED INVESTOR ATTORY DOCKSET NO. CONFIRMATION NO. 10/646,570 08/22/2003 David T. Price 03-0345/LSI1P224 9743  TITLE OF INVENTION: MICROCHANNEL FORMATION FOR FUSES, INTERCONNECTS, CAPACITORS, AND INDUCTORS  APPLN-TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FER(S) DUE DATE DUE nonprovisional NO \$1330 SO \$1330 07/08/2004  EXAMINER ART UNIT CLASS-SUBCLASS  LEE, CALVIN 2825 438-215000  L. Change of correspondence address or indication of "Fee Address" (37) Change of correspondence address or indication of "Fee Address" (37) agents of correspondence address or indication of "Fee Address" (37) Change of correspondence address or indication form PLOSDI4T), Key 103-92 or more recenf) attached. Use of a Customer Number is registered attached. Use of a Customer Number is registered attached. Use of a Customer Will be printed.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignme is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignment been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Please check the appropriate assignee category or categories (will not be primed on the patent):   individual   ocrporation or other private group entity   government of the fee(s) are received by the fee(s), or credit any overpayment, or hardward of the fee of the path of the pat	LSI Logic Corporation 1551 McCarthy Boulevard				I hereby certify that to States Postal Service addressed to the Ma	his Fee(s) Transmittal is bein with sufficient postage for fil il Stop ISSUE FEE address	g deposited with the United st class mail in an envelope above, or being facsimile
APPLICATION NO.   FILING DATE   FIRST NAMED INVENTOR   ATTORNEY DOCKET NO.   CONFIRMATION NO.   10/646,570   08/22/2003   David T. Price   03-0345/LSI19224   9743    TITLE OF INVENTION: MICROCHANNEL FORMATION FOR FUSES, INTERCONNECTS, CAPACITORS, AND INDUCTORS  APPLN. TYPE   SMALL ENTITY   ISSUE FEE   PUBLICATION FEE   TOTAL FEE(S) DUE   DATE DUE							(Depositor's name)
APPLICATION NO.   FILING DATE   FIRST NAMED INVENTOR   ATTORNEY DOCKET NO.   CONFIRMATION NO.				•			(Signature)
David T. Price 03-0343/LSI   P224 9743    ITTLE OF INVENTION: MICROCHANNEL FORMATION FOR FUSES, INTERCONNECTS, CAPACITORS, AND INDUCTORS  APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$0 \$0 \$1330 07/08/2004    EXAMINER ART UNIT CLASS-SUBCLASS  LEE, CALVIN 2825 438-215000  1. Change of correspondence address or indication of "Fee Address" (37 CRF 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB1/2) attached.  "Fee Address' indication for "Fee Address" Indication form PTO/SB1/2) attached. Use of a Customer Number is required.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment I been privously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Please check the appropriate assignee category or categories (will not be printed on the patent);   Individual   Corporation or other private group entity   government of Pee(S);   Is enclosed.    Payment of Pee(S) is enclosed.							(Date)
David T. Price 03-0343/LSI   P224 9743    ITTLE OF INVENTION: MICROCHANNEL FORMATION FOR FUSES, INTERCONNECTS, CAPACITORS, AND INDUCTORS  APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$0 \$0 \$1330 07/08/2004    EXAMINER ART UNIT CLASS-SUBCLASS  LEE, CALVIN 2825 438-215000  1. Change of correspondence address or indication of "Fee Address" (37 CRF 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB1/2) attached.  "Fee Address' indication for "Fee Address" Indication form PTO/SB1/2) attached. Use of a Customer Number is required.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment I been privously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Please check the appropriate assignee category or categories (will not be printed on the patent);   Individual   Corporation or other private group entity   government of Pee(S);   Is enclosed.    Payment of Pee(S) is enclosed.	APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
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nonprovisional NO \$1330 \$0 \$1330 07/08/2004  EXAMINER ART UNIT CLASS-SUBCLASS  LEE, CALVIN 2825 438-215000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  Change of correspondence address or indication of "Fee Address" (37 address form PTO/SB/1/22) attached.  CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  Change of correspondence address or indication for "Fee Address" (1) the names of up to 3 registered patent attorneys or agents of up to 2 registered patent attorneys or agents of up to 2 registered patent attorneys or agents of up to 2 registered patent attorneys or agents. In on ame is listed, no name will be printed.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment is been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment is not provided to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment is not provided to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment is not provided to the USPTO or is be	375-13			4	S, CAPACITORS, AN	D INDUCTORS	
EXAMINER  LEE, CALVIN  2825  438-215000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agents of no name is listed, no name will be printed.  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, lnclusion of assignee data is only appropriate when an assignment is been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Please check the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity government.  4a. The following fee(s) are enclosed:    Payment of Fee(s):   Issue Fee	APPLN. TYPE	SMALL ENTITY	ISSUE FE	EE PI	UBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
LEE, CALVIN 2825 438-215000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).  2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member argistered attorney or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent).  3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment I been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Please check the appropriate assignee category or categories (will not be printed on the patent);   individual   corporation or other private group entity   government of the fee(s) are enclosed:   b. Payment of Fee(s):   lsue Fee   Payment by credit card. Form PTO-2038 is attached.   Payment by credit card. Form PTO-2038 is attached.   The Director is hereby authorized by charge the required fee(s), or credit any overpayment, peposit Account Number   Cerclose an extra copy of this form).  Director for Patents is requested to apply the Issue Fee and Publication Fee (if rany) or to re-apply any previously paid issue fee to the application identified above.  (Authorized Signature)  (Date)	nonprovisional	NO	\$1330		\$0	\$1330	07/08/2004
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CFR 1.363).     Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.     "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.     3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)   PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment is been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)    Please check the appropriate assignee category or categories (will not be printed on the patent);   individual   corporation or other private group entity   government is listed.   Payment of Fee(s):   A check in the amount of the fee(s) is enclosed.   Payment by credit card. Form PTO-2038 is attached.	LEE, C	ALVIN	2825		438-215000		
4a. The following fee(s) are enclosed:    4b. Payment of Fee(s):   Issue Fee	Address form PTO/SB/1:  "Fee Address" indicati PTO/SB/47; Rev 03-02 ( Number is required.  3. ASSIGNEE NAME AND PLEASE NOTE: Unless been previously submitte	22) attached. on (or "Fee Address" Indicator more recent) attached. Use RESIDENCE DATA TO B an assignce is identified beld to the USPTO or is being s	tion form  e of a Customer  E PRINTED ON T  low, no assignee da  submitted under sep	firm (having as a agent) and the na attorneys or agen will be printed.  HE PATENT (print of the will appear on the parate cover. Comple	member a registered times of up to 2 regist ts. If no name is liste or type) e patent. Inclusion of a tion of this form is NO	attorney or 2 ered patent d, no name 3 ssignee data is only appropri T a substitute for filing an ass	ate when an assignment has ignment.
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(Authorized Signature)  (Date)  NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	Advance Order - # 01	Copies		Deposit Account Nu	mber		
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	Director for Patents is reque	sted to apply the Issue Fee ar	nd Publication Fee (	(if any) or to re-apply	y any previously paid i	ssue fee to the application ide	ntified above.
other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	(Authorized Signature)	<del></del>	(Date)				*
	other than the applicant; interest as shown by the re-	a registered attorney or age cords of the United States Pa	ent; or the assigned tent and Trademark	e or other party in Coffice.			
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.	Inis collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing t Patent and Trademark (22313-1450. DO NOT S SEND TO: Commissioner Under the Paperwork Recollection of information.	tion is required by 37 CFR by the public which is to fix is governed by 35 U.S.C. I es to complete, including gan to the USPTO. Time will the amount of time you rhis burden, should be sent to office, U.S. Department of END FEES OR COMPLE for Patents, Alexandria, Virgulation Act of 1995, no poless it displays a valid OME.	1.311. The inform le (and by the USI 22 and 37 CFR 1.1 athering, preparing, I vary depending the equire to complete to the Chief Inform of Commerce, AI TED FORMS TO ginia 22313-1450.	ation is required to PTO to process) an 4. This collection is and submitting the upon the individual e this form and/or nation Officer, U.S. lexandria, Virginia THIS ADDRESS.			



### UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/646,570	08/22/2003	David T. Price	03-0345/LS11P224	9743	
75	90 04/08/2004		EXAM	NER	
LSI Logic Corporation			LEE, CALVIN		
1551 McCarthy Boulevard Milpitas, CA 95035			ART UNIT	PAPER NUMBER	
•			2825	-	
			DATE MAILED: 04/08/2004		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
	10/646,570	PRICE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Lee Calvin	2825	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313  1. This communication is responsive to  2. The allowed claim(s) is/are 1-21.  3. The drawings filed on 22 August 2003 are accepted by the 4. Acknowledgment is made of a claim for foreign priority under the communication appears to the communication appears and the communication are accepted by the 4.	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.  Examiner.	olication. If not include will be mailed in due	ed course. <b>THIS</b>
a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).	been received in Application No.		tion from the
* Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") mus  (a) ☐ including changes required by the Notice of Draftspers  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the sheet in the sheet is sheet in the sheet in the sheet is sheet in the sheet is sheet in the sheet in t	con's Patent Drawing Review(PTO- constant of the Osternation of the Osternation on the Osternation on the drawing the header according to 37 CFR 1.121(constant)	ffice action of logs in the front (not the	
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			Note the
<ul> <li>Attachment(s)</li> <li>1. ☑ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date</li></ul>	5. ☐ Notice of Informal Pa 6. ☐ Interview Summary Paper No./Mail Dat 7. ☑ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	·

Docket No: 03-0345/LSI1P224

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PRICE et al.

#### OFFICE ACTION

#### Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312

IN THE SPECIFICATION: Page 11, line 17, replaced "conduit 122" with --conduit 120--

## Allowable Subject Matter

Claims 1 and 21 are allowed. Following is the reason for allowance:

The closest prior art, US 6,174,802 to *Huang et al*, teaches forming a via hole 55 in a dielectric material 50 deposited in a trench and configured to intersect a hollow conduit 59 [Fig. 5B and col. 4]. However, *Huang et al* does not disclose, *inter alia*, filling the hollow conduit by using at least one via hole to thereby form a conductive line on a semiconductive wafer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

Any inquiry concerning this communication from the Examiner should be directed to *Calvin Lee* at (571) 272-1896, Monday to Thursday, from 7 to 5 (ET). If attempts to reach the examiner by telephone are unsuccessful, Art Unit 2825's Supervisory Patent Examiner *Matthew Smith* whose telephone number is (571) 272-1907.

Any inquiry relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0596. The fax phones are (703) 872-9318 for regular communications and (703) 872-9319 for After-Final communications.

March 30, 2004

MATTHEW SMITH SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800